



## **ADDENDUM**

This addendum revises MIAT College of Technology  
Catalog, Volume 63 dated February 21, 2017  
Effective: April 24, 2017

## 13 Financial Aid

### Tuition, Fees Books and Supplies

\*A student's tuition rate will remain unchanged provided the student maintains continuous attendance

	Associate in Applied Science Programs		Certificate Programs				
	Aviation Maintenance Technology 2,340 Clock/135 Qtr Credit Hrs 24 Months (7 Blocks + 2 Qtrs)	Energy Technology 1,440 Clock/94 Qtr Credit Hrs 16 Months (7 Qtrs)	Airframe and Powerplant Technician 2,100 Clock/111 Qtr Credit Hrs 20 Months (7 Blocks)	Energy and Industrial Technician 960 Clock/56 Qtr Credit Hrs 9 Months (4 Qtrs)	Wind Power Technician 720 Clock/42.5 Qtr Credit Hours 7 Months (3 Qtrs)	HVACR Technician 960 Clock/57.5 Qtr Credit Hrs 9 Months (4 Qtrs)	Global Logistics and Dispatch 720 Clock/43.5 Qtr Credit Hours 7 Months (3 Qtrs)
Tuition*	41,358.00	28,912.00	37,086.00	19,712.00	14,960.00	17,192.50	10,875.00
Per Hour - Technical	17.66	352.00	17.66	352.00	352.00	299.00	250.00
Per Hour - Gen Ed	178.00	178.00					
Estimated Tool Cost	1,975.00		1,975.00			615.00	
Estimated Book Cost	1,759.00	2,395.00	585.00	925.00	645.00	340.00	480.00
Estimated Supply Cost	1,516.00	1,508.00	129.00	1,508.00	1,508.00	1,610.00	1,405.00
<b>Total Program Cost**</b>	<b>46,633.00</b>	<b>32,840.00</b>	<b>39,800.00</b>	<b>22,170.00</b>	<b>17,138.00</b>	<b>19,782.50</b>	<b>12,785.00</b>

♦ Tuition is calculated on the number of clock hours in the program for Aviation Maintenance Technology and Airframe and Powerplant Technician. For all other programs, tuition is calculated on the number of quarter credit hours of the program. Additionally, the tuition for the Associate in Applied Science programs includes the cost of the general education courses which are calculated on the number of quarter credit hours.

♦♦ The Total Program Cost includes a \$25.00 Application Fee.

	Continuing Education Courses					
	Aviation Dispatcher 240 Clock Hrs - 8 Weeks	NDT Ultrasonic 80 Clock Hrs - 2 Weeks	NDT Eddy Current 80 Clock Hrs - 2 Weeks	NDT Magnetic Particle 24 Clock Hrs - 1 Week	NDT Liquid Penetrant 24 Clock Hrs - 1 Week	Unmanned Aerial Systems (UAS) - Owner/Operator Safety 40 Clock Hrs - 2 Weeks
Tuition	4,530.00	2,550.00	2,550.00	1,125.00	1,100.00	475.00
Estimated Book Cost	120.00					
FAA Test Fee	450.00					
<b>Total Program Cost**</b>	<b>5,125.00</b>	<b>2,575.00</b>	<b>2,575.00</b>	<b>1,150.00</b>	<b>1,125.00</b>	<b>500.00</b>

♦♦ The Total Program Cost includes a \$25.00 Application Fee.

*Continuing Education courses are **not eligible** for Title IV Funds*

Third Party Exam Fees		
Program	Exams	Maximum Third Party Exam Fees
Aviation Maintenance Technology Airframe and Powerplant Technician	General, Airframe, Powerplant : Written, Oral and Practical (9 exams)	<b>1,050.00</b>
Energy Technology Energy and Industrial Technician Wind Power Technician	OSHA, Energy Industry Fundamentals (EIF), EPA 608 Certification (not included for Wind Technician)	<b>135.00</b>
Global Logistics and Dispatch	MSSC Certified Logistics Associate (CLA) and Certified Logistics Technician (CLT)	<b>125.00</b>
HVACR Technician	EPA 608 Certification, Universal R-410A, NATE Core and NATE Specialty	<b>290.00</b>

♦ If a student chooses to take all third party exams at MIAT, all exam fees will be covered (estimated \$1,500). If a student chooses to test at a facility outside of MIAT, the maximum limit of \$1,050, noted above, will apply

MIAT will fund the cost of third party professional licensing exam fees up to the specified maximum amount outlined in the above chart. All exam fees are non-refundable. All third party professional licensing exams must be completed within 120 calendar days from the date of a student's last regularly scheduled block or quarter. Student's failing to complete all exams within the 120 calendar day period will be personally responsible for any and all fees incurred for any exam taken after the 120 calendar days.

**Note:** NIULPE 3<sup>rd</sup> Class Power Engineer exam available for an additional cost.

18 Academic Policies

<b>Aviation Maintenance Technology - AAS (Clock Hour Program)</b>			
Cumulative Hours Attempted	Cumulative Hours Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
450	225	50%	1.7
900	450	50%	1.7
1350	900	67%	2.3
1800	1200	67%	2.3
2250	1500	67%	2.3
2700	1800	67%	2.3
3150	2100	67%	2.3
3510	2340	67%	2.3

<b>Energy and Industrial Technician (Quarter Hour Program)</b>			
Cumulative Quarters Attempted	Cumulative Quarters Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
1	0.5	50%	1.7
2	1.0	50%	1.7
3	2.0	67%	2.3
4	3.0	67%	2.3
5	3.5	67%	2.3
6	4.0	67%	2.3

<b>Energy Technology - AAS (Quarter Hour Program)</b>			
Cumulative Quarters Attempted	Cumulative Quarters Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
1	0.5	50%	1.7
2	1.0	50%	1.7
3	2.0	67%	2.3
4	3.0	67%	2.3
5	3.5	67%	2.3
6	4.0	67%	2.3
7	4.5	67%	2.3
8	5.0	67%	2.3
9	5.5	67%	2.3
10	6.5	67%	2.3
10.5	7.0	67%	2.3

<b>Global Logistics and Dispatch (Quarter Hour Program)</b>			
Cumulative Quarters Attempted	Cumulative Quarters Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
1	0.5	50%	1.7
2	1.0	50%	1.7
3	2.0	67%	2.3
4	2.5	67%	2.3
4.5	3.0	67%	2.3

<b>HVACR Technician (Quarter Hour Program)</b>			
Cumulative Quarters Attempted	Cumulative Quarters Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
1	0.5	50%	1.7
2	1.0	50%	1.7
3	2.0	67%	2.3
4	3.0	67%	2.3
5	3.5	67%	2.3
6	4.0	67%	2.3

<b>Airframe and Powerplant Technician (Clock Hour Program)</b>			
Cumulative Hours Attempted	Cumulative Hours Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
450	225	50%	1.7
900	450	50%	1.7
1350	900	67%	2.3
1800	1200	67%	2.3
2250	1500	67%	2.3
2700	1800	67%	2.3
3150	2100	67%	2.3

<b>Wind Power Technician (Quarter Hour Program)</b>			
Cumulative Quarters Attempted	Cumulative Quarters Successfully Completed	Minimum Pace of Completion	Minimum Cumulative Grade Point Average (CGPA)
1	0.5	50%	1.7
2	1.0	50%	1.7
3	2.0	67%	2.3
4	2.5	67%	2.3
4.5	3.0	67%	2.3

## 23 Academic Policies

### Leave of Absence

A leave of absence (LOA) is a temporary interruption in a student's program of study. A LOA cannot exceed 180 days in any 12-month period and may have a serious impact on a student's financial aid. Any student considering requesting a LOA that receives financial aid, should consult with a Financial Aid Officer to determine how their financial aid may be affected.

The following criteria outlines the requirements to process an approved LOA:

1. The student must submit a written, signed and dated request to the Director of Training or Campus President that includes the reason for the request prior to the leave of absence.
2. A Leave of Absence cannot be granted for academic reasons (i.e. to keep a student from failing). The following list outlines acceptable reasons for Leave of Absence requests:
  - *Medical (self or immediate family)*
  - *Military Service*
  - *Jury Duty*

Special circumstances other than the reasons listed above may be approved as an acceptable reason for a Leave of Absence. However, only the Campus President (or the individual designated by the Campus President) may approve a Leave of Absence for reasons other than listed above.

3. The period of the Leave of Absence may not begin until the student has submitted and the school has approved a written and signed request for an approved Leave of Absence.
4. If unforeseen circumstances prevent a student from providing a prior written request, the school may grant the student's request for a leave of absence if MIAT is able to collect the written request at a later date (normally within two weeks) and is able to document the unforeseen circumstances that prevented a written request prior to granting the leave.
5. Leaves of Absence are not automatically granted. At the sole discretion of the school, a Leave of Absence may be granted only if the school determines that there is a reasonable expectation that the student will return to classes and satisfactorily complete their program.
6. Leaves of Absence are normally not granted for longer than one quarter or two blocks.

Any student who is granted a Leave of Absence is eligible to return to school with no additional charges associated with that

Leave of Absence. Upon return, the student must resume training at the same point in the academic program that he or she began the Leave of Absence. If additional courses are added to the student's program because of curriculum changes all additional charges will apply.

Failure to return to school on or before the scheduled Leave of Absence return date will result in the student being withdrawn from school.

If a student is a Federal Title IV loan recipient, the failure to return may have significant adverse consequences on loan repayment terms, including exhaustion of some or all of the student's grace period.

### Professional Conduct and Appearance

All students are expected to maintain the high standard of professional conduct and appearance that is required by industry and is a tradition at MIAT College of Technology. Both in and out of school, students are expected to conduct themselves in a professional manner with pride in themselves, their community and their school.

The dress code regulations reflect industry standards for promoting professionalism and safety. Through professional conduct and appearance observed on campus, our students and graduates have established an outstanding reputation among industry employers and the public. It is expected that the student will observe the code of conduct of MIAT College of Technology. The current Student Handbook contains the rules and policies on student conduct, safety rules and dress code that students must adhere to. All students are issued five approved MIAT College of Technology shirts. These shirts are required attire while attending any activities at MIAT College of Technology.

MIAT College of Technology reserves the right to place students on academic or professional warning, probation, suspension or dismissal from school for failure to conduct themselves in a professional manner. Violations include, but are not limited to, the following:

1. Failure to maintain acceptable academic achievements. Please refer to Academic Policies criteria detailed in this catalog.
2. Excessive absences from scheduled training.
3. Possession, conviction or under the influence of alcohol or controlled substances.
4. Unprofessional conduct found to be offensive or detrimental to the individual, community, school, or to other students.
5. Dress, grooming and personal habits that are not proper for a professional person.

## 41 Course Descriptions

### **ET112-1 Renewable Energy Sources**

Students will be introduced to renewable energy sources other than wind power. The student will examine the technology for solar, biomass, geothermal, hydroelectric and fuel cell energy. Topics include efficiency of photovoltaic cells and solar arrays; biomass to energy and algae generation of petroleum products and hydrogen gasses; geothermal systems; generation and distribution of hydroelectric power and fuel cell operations and applications.

### **ET113-1 Gas Turbine and Co-Generation Operation**

In this course the student will learn about gas turbine engines beginning with the history of the development of turbines followed by a study of the major sections of a typical turbine engine. Common accessories employed by gas turbine engines will be presented and discussed. Instrumentation and control systems will be learned and examined to help determine proper performance and assist in troubleshooting skills. The efficiencies derived from combined cycle power generation will be learned by the student. The student will demonstrate what they have learned through identification and explanation of the major components found in a co-generation facility.

### **ET114-1 Gas Turbine Maintenance**

In this course the student will learn about scheduled and non-scheduled maintenance required for gas turbines. The student will learn about the overhaul process. They will discuss and demonstrate their skill by performing hands-on tasks related to the overhaul process.

### **ET115-1 Boiler Operation**

In this class the student will learn the water treatment process used in power generation systems. The student will learn the need for water treatment and the process used to comply with state and federal guidelines to protect the environment. Safety is reinforced in this course and HAZMAT is introduced to the student. The student will learn the basic operation and design of boiler systems, the safety required for high pressure and high heat systems reinforced through case studies. Fundamental operation and physics will be explained and demonstrated. Emergency procedures will be incorporated in this training.

### **ET116-1 Steam Operation**

In this course the student will learn about steam turbines beginning with the history of the development of steam turbines followed by a study of the major sections of a typical steam turbine. Common accessories employed by steam turbines will be presented and discussed. Instrumentation and control systems will be explained and examined to help determine proper performance and assist in troubleshooting skills. This course is designed to develop an understanding of the scheduled and nonscheduled maintenance required for steam turbines. The overhaul process will be discussed with hands-on demonstrations and will further foster an understanding of the steam turbine operation.

### **ET209-1 Process Systems and Components**

In this class the student will learn process plant drawings and diagrams from a systems point of view. The concept of system integration will be emphasized as the student learns how systems interact with each other. The student will learn at an introductory level how to perform basic pipefitting operations. Heat sources used in process technology will be identified and explained to the student. The students will also learn about the theory of operation utilized in heat exchangers.

### **ET211-1 Compression Technology**

In this class the student will learn an overview of the various pieces of compression equipment found in industry. Specific equipment such as screw, piston and centrifugal compressors will be examined. The basic theory behind compression and the equipment used to achieve this goal will be discussed, diagramed and learned by the student. Standard inspection and preventative maintenance practices will be demonstrated and practiced in this class. The selection and use of proper tooling and standard maintenance practices will be emphasized in this course.

### **ET213-1 Advanced Electrical Theory**

Building on the principles learned in previous electrical courses, the student will be introduced to three-phase electric power, a common method of alternating-current electric power generation, transmission and distribution. The student will learn about three-phase motors and the concepts of WYE and DELTA three-phase configurations will be explored. Additional material covered will include electrical schematics and stand-by power systems. Additionally, students are trained in first aid, CPR and the use of an AED by a certified American Heart Association instructor. Students successfully completing this training will receive an internationally accepted American Heart Association First Aid, CPR and AED certification.

### **ET214-1 Materials, Processes, Welding and Advanced Troubleshooting**

In this course the student learns to recognize, properly select and use a variety of hardware and materials used in the repair and maintenance of power technology equipment. Specific procedure when accomplishing "hot work" will also be learned. The student will learn the concept of troubleshooting from a theoretical position. Input and output into a situation is examined and a logical flow is developed to determine the critical path of failure. In this class the student will learn an overview of the operation and design of diesel power plants. The specific application to standby power for diesel will be emphasized. Inspection, preventative maintenance and troubleshooting will be explained and demonstrated. Subsystems such as fuel control and emissions will also be included in this training.

### **ET215-1 Refrigeration System Fundamentals and Operations**

In this course the student will gain a basic understanding of the refrigeration system fundamentals and operation including concepts and information for obtaining an EPA-608 license/certification.

## 48 MIAT Management, Faculty and Staff

# Management

### **Jennifer Paugh, Campus President**

B.S., Secondary Education, H. Anderson College. B.S. Business Management, Western Governors University. Fifteen years of experience in secondary education serving in high-level to executive-level management positions in Education, Admissions and Student Services with seven years as a Campus President.

### **Chris A. Pipesh, Vice President of Education**

M.A., Management, Fielding Graduate University. B.A., Psychology, University of Michigan. Diploma, Airframe and Powerplant Detroit Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate. Working in aviation since 1975, with a wide range of experience including management and engineering.

### **Peter Kostiuk, Director of Strategic Development**

M.B.A., University of Chicago. B.A. Economics, Vanderbilt University. CFA Charterholder. Over seven years of financial, strategic, and operational analysis experience related to the security, defense, consumer, and education industries.

### **Amy Kienast, Director of Career Services**

B.S. Education, University of Wisconsin-Oshkosh. Professional in Human Resources (PHR) certification. Certified Global Career Development Facilitator (GCDF). Fifteen years of experience in post-secondary career education covering networking, recruiting, business-education relations, career search skills, business development and workforce planning. Board of Directors of Aviation Technician Education Council (ATEC),

### **Shuhdi Alrishood, Program Coordinator - HVACR**

B.S.C. Agricultural Machinery, University of Basra, Iraq. Certificate in Climate Control Technology, Northwestern Technological Institute. Over four years' experience in HVAC field with a concentration in the commercial environment. Licensed EPA 609 (Automotive Air Conditioning) and EPA 608 (Universal, Refrigerant).

### **Derek Cichewicz – Program Coordinator - Energy**

A.A.S. Energy Technology, MIAT College of Technology. Esco Electrical Certificate, Washtenaw Community College, OSHA-10 Certification, Great Lakes OSHA Education Center, NIULPE Power Engineering License #29812, NIULPE Air to Air Heat Pump Installation (HPIN), Arc Flash, Hazardous Communications GHS, Personal Protective Equipment, Bloodborne Pathogens, Staying Alive Safety Service. State of Michigan Paramedic License. HVACR Certification, Washtenaw Community College.

### **Kamal Hanzara, Assistant Director of Training**

B.A.A.S. Aviation Science – Eastern New Mexico University-Roswell. A.A.S. Aviation Maintenance Technology, Eastern New Mexico University-Roswell. Diploma, Michigan Institute of Aeronautics, FAA Airframe and Powerplant Technician Certificate. Worked at Pinnacle Airlines, PlaneTechs, USA Jet and Duncan Aviation as an A&P Technician. Awarded the 2012 ATEC Northrop Rice Foundation FlightSafety International King Air Maintenance Course Scholarship.

### **William Hughes, Hangar Manager**

A.A.S., Aviation Maintenance Technology, Rock Valley College, Rockford, Illinois. Numerous aircraft and aircraft component manufacturer training programs. FAA Airframe and Powerplant Technician Certification. Inspection Authorization. Private Pilot. Thirty years aviation industry experience.

### **Kelli Kapp-Heifner, Program Coordinator-General Education**

Ed.D in progress from Grand Canyon University in Higher Education Organizational Leadership. M.A. in Communication and Leadership from Gonzaga University. B.A. from University of Michigan-Dearborn – double major in Speech Communications and Psychology, minor in Sociology. One-year teaching experience at post-secondary level in Public Speaking, Professional Communication, Workplace Communication, Interpersonal Communication, Sociology, Organizational Behavior and Group Dynamics. Over five years' experience in teaching online and on campus.

### **Mary E. Ladd, Training Administration Manager**

B.B.A. Management and Marketing, Davenport University (fka: Detroit College of Business); A.A.S. General Studies, Schoolcraft College. Over five years' experience in administration for the training department at MIAT. Over twenty-five years' experience as an executive level assistant.

### **Susan Martinez, Regulatory Reporting Administrator**

Certificate, Accounting; Business Administration, Stautzenberger College. Over thirty years' experience in career education. Twenty years' experience in computer operations and information systems. Currently serving as the Canton campus Title IX Coordinator.

### **Adrienne Ontiveroz, Assistant Director of Admissions**

B.A. English Language and Literature and Cultural Anthropology from the University of Michigan-Ann Arbor. Extensive experience in direct fundraising for non-profit organizations. Three years in student recruitment at both the national and local level.

### **Neal Perkins Jr., Assistant Director of Training**

A.A.S. Eastern New Mexico University-Roswell. FAA Airframe and Powerplant Technician Certificate, Inspection Authorization, Davis Aerospace. Professional Aviation Maintenance Association member. Cincinnati Technical College. General Motors World Travel Service. Senior Aircraft Technician. Over twenty-five years of aviation experience. Ivan D. Livi Aviation Maintenance Educator of the Year for 2011.

### **Jessica Pieknik, Registrar**

A.A.S. Marketing and Applied Management, Schoolcraft College. Over seven years' experience in student records for MIAT with an additional eight years' business/administrative experience.

## **49 MIAT Management, Faculty and Staff**

### **Richard Rau, Assistant Hangar Manager**

Certificate-Electronics, National Education Center. Certificate-Mechanic, Motech. Certificate-Mechanical, MIAT. Twenty years' experience in aircraft mechanics, automobile mechanics, electronics and machining.

### **Nicole Richmond, Director of Financial Aid**

B.A., Psychology and Sociology; Certificate/Minor, Women's Studies, University of Michigan – Dearborn. Active member of Michigan Student Financial Aid Association. Financial Aid training from numerous seminars, conferences and workshops.

### **Robert Snell, Program Coordinator – Global Logistics and Dispatch**

Diploma, Transportation Dispatch, Michigan Institute of Aviation and Technology. FAA Aircraft Dispatcher License. Over seven years' experience in aircraft dispatching, flight operations, crew scheduling, logistics and Hazmat procedures. Experienced in flight dispatch and logistics activities in the United States, Canada and Mexico.

### **Lenny Teske, Assistant Director of High School Admissions**

Attended Northwest Michigan College; Over twenty-five years' sales and marketing experience of which three years as an admissions representative for a career technical college.

## 50 MIAT Management, Faculty and Staff

### Faculty

#### **Lonnie Allgood**

A.A.S. Aviation Maintenance Technology, MIAT College of Technology. Diploma, Michigan Institute of Aviation. FAA Airframe and Powerplant Technician Certificate. Four years Navy experience as a Boiler Operator. Four years Coast Guard experience as a Quarter Master. Three years' experience as a contractor on the UAV's with the Department of Defense.

#### **Holly Arnold – Lead Instructor: Air Science**

A.A.S. Aviation Maintenance Technology, MIAT College of Technology. FAA Airframe and Powerplant Technician Certificate. Two years' experience as an Aircraft Support Mechanic with Delta Airlines and four years' experience as an aviation lab assistant instructor at MIAT College of Technology.

#### **Brian Beerbower**

A.A.S. Aviation Maintenance Technology, Eastern New Mexico University-Roswell. Diploma, Detroit Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate. FCC General Radiotelephone License. Over twenty-six years of experience in aviation maintenance for Pontiac Flight Service, Trans-Continental Airlines, Jetway Inc., Century Airlines, and Zantop Airlines.

#### **David Bindas**

A.A.S., Aircraft Maintenance, Pittsburgh Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate. Over thirty years' experience in the aviation industry as an A&P mechanic, supervisor and manager. Maintenance experience on DC-8, DC-9 and DC-10, Airbus 319/320, Boeing 727 and 757. Maintained Grumman F-14, McDonnell Douglas F-18 and Lockheed P-3 aircraft. Veteran of US Navy.

#### **David Bottenhorn Jr.**

A.A.S. Aviation Maintenance Technology, Eastern New Mexico University-Roswell. FAA Airframe and Powerplant Technician Certificate. FCC General Radiotelephone Operator License, Three years of experience as a Senior Mechanic line maintenance on L1011, 757, 737 for American Trans Air. Three years of experience as a Flight Mechanic for USA Jet Airlines on DC9 and Falcon 20. Three years of experience line maintenance for General Motors Air Transportation for Gulf Stream GV, G350.

#### **Timothy Colley**

A.A.S. Electronics, Ohio Institute of Technology. Mechanical Inspector license, State of Michigan; Plan Reviewer license, State of Michigan; Mechanical Contractor license, State of Michigan; Universal Refrigerant Technician license. Thirty years' experience in HVACR industry as an Instrument Control Technician, Mechanical Inspector and as an owner/operator of a heating and cooling business.

#### **Eugene Conner**

A.A.S. Energy Technology, MIAT College of Technology; HVACR Technician, MIAT College of Technology. Over four years' experience as a technician in the heating and cooling industry.

#### **John Crowley**

A.A.S. Aviation Maintenance Technology, Purdue University. FAA Airframe and Powerplant Technician Certificate. Experience on various corporate aircraft such as Lear 35, Kingair C-90, Gulfstream II, III, IV, Cessna Citation II and III, Sikorsky S-76A and Sabreliner 60 Series; line maintenance, avionics on DC-8 for Cargo operations.

#### **Alice Earl**

M.S. Organizational Leadership, Mercy College. B.S. Organizational Management, Mercy College. A.S. Registered Nurse, Iona College. Fifteen years' post-secondary teaching experience in leading diverse teams, managerial behavior, business ethics, science technology and society, psychology of communication and integrative project management.

#### **Richard Ernest**

A.A.S. Aviation Maintenance Management, North Central Institute. FAA Airframe and Powerplant Technician Certificate. Retired from U.S. Army after twenty years' service with experience in aviation maintenance and quality control inspection.

#### **Monique Ferranto-Joyner**

M.A. in Sociology, emphasis in teaching from California State University, Bakersfield. B.A. in Sociology – minor in Black Studies from California State University, Bakersfield. Three years teaching experience at post-secondary level in discipline of Sociology.

#### **Thomas Foley**

B.S. in Aviation Maintenance Management, Lewis University. FAA Airframe and Powerplant Technician Certificate, Inspection Authorization. Private Pilot License. Twenty-seven years of aviation experience with airframe accessories, inspection and maintenance on various general aviation piston/turbine engine aircraft. Fifteen years of experience in airframe repair station and FBO management as an Aircraft Maintenance Manager, General Manager, Quality Control Manager and Shift Supervisor.

#### **Karl Gawne, Jr.**

A.A.S. Airframe and Powerplant, Kirkland Community College. FAA Airframe and Powerplant Technician Certificate. Twenty-three years' experience in aviation maintenance as mechanic, inspector and instructor.

#### **Michael Goldenberg**

M.S. Mathematics Education, University of Michigan, M.E. Psychological Foundations of Education, University of Florida, M.A., English, University of Florida, B.A. English, Goddard College. Over thirty years' experience teaching at secondary and post-secondary level in the discipline of Mathematics. Founder of mathematicallysane.com, creator and author of rationalmathed.blogspot.com. Published author and professional presenter. Member of National Council of Teachers of Mathematics.

#### **Rabih (Ray) Hammoud**

A.A.S in Aviation Maintenance Technology, MIAT College of Technology. FAA Airframe and Powerplant Technician Certificate. FCC General Radiotelephone Operator License. Over ten years' experience in line maintenance and inspections.

#### **Anita Harold**

A.A.S. Aviation Maintenance Technology, Colorado Northwestern Community College. A.A.S. Biblical Studies, Moody Bible Institute. FAA Airframe and Powerplant Technician Certificate. FAA Inspector Authorization. FAA Commercial Pilot's License. FAA Flight Instructor Certificate (CFI, CFII). Over eighteen years' experience in aviation as an aircraft mechanic or inspector.



## 51 MIAT Management, Faculty and Staff

### Neil Haynes

B.S. Mathematics, University of San Francisco. Twenty-two years of experience in electronics, mathematics, and physics, including working in plastics testing labs and an optic lab. Three years serving in the U.S. Army as a fire control instrument repairman.

### Fadi Henawi

Diploma in Mechanical Engineering, Damascus University. Certificate HVACR Technician, MIAT College of Technology. Over twenty years' experience in the heating and cooling industry. Certified EPA Universal – Core, Type I-III, NATE Certification, ESCO 410A, OSHA 10.

### Jeffery Hope – Lead Instructor: Powerplant

A.A.S. Aviation Maintenance Technology, Eastern New Mexico University-Roswell. FAA Airframe and Powerplant Technician Certificate. Six years' experience overhaul and maintenance on turbojet engines. Light aircraft maintenance and inspections on Lear Jets, Falcons, and Citation II for general aviation and transport.

### David Howe

A.A. Palm Beach Junior College. Airframe and Powerplant Technician Certificate, Inspection Authorization. Private Pilot License. Three years of experience as a mechanic with Cessna single engine dealership, One year of experience as a mechanic with Pratt & Whitney Aircraft. Twenty-nine years of experience as a mechanic progressing into Quality Assurance Inspector, Cessna Citation. Experienced on small single and twin engine Cessna & Piper aircraft, PW TF130, FX-225, JT-11, Rolls Royce AE3007C, Williams TFE-731, FJ44 series, PW JT-15D series, PW-306C, PW-535 & 545, PW-615F and the complete Citation Business jet product line.

### Dwayne Jones

Certificate – Power Generation, MIAT College of Technology, Pipefitter/HVAC Training, Chrysler UAW Apprenticeship through Henry Ford Community College. Twenty-nine years' experience in the manufacturing, industrial field - fifteen as a pipefitter/supervisor.

### Hank Markison

M.A. Architecture, University of Michigan. B.S. Architecture, University of Michigan. A.A.S. Aircraft Maintenance, Lansing Community College. A.S. General Studies, Lansing Community College. FAA Airframe and Powerplant Technician Certificate, Licensed private pilot with glider and airplane ratings. Seven years' experience as an aircraft technician and over ten years' experience teaching in higher education.

### Sara Mierzwiaik

M.A. Geography, University of Toledo. M.S. Geology, University of Toledo. B.S. Geology, University of Toledo, A.A.S. Chemical Technology, University of Toledo. Three years' teaching experience at post-secondary level in course on Climate Change.

### Patricia Mullen

M.A. Journalism, University of Georgia. B.A. Journalism, University of Georgia. M.E., Piedmont College, Educate VA Licensure Program. Over 2 years' experience teaching at post-secondary level in the disciplines of Communication, English, Journalism, Language Arts.

### Melinda Opfermann

B.S. in Business Management, University of Phoenix. A.A.S. in Aviation Maintenance Technology, MIAT College of Technology. FAA Airframe and Powerplant Technician Certificate. Over seven years' experience as an airframe technician and ordnance technician.

### Robert Powell

M.S., Environmental Science, University of Oklahoma. B.S. Zoology, University of Oklahoma. Extensive professional experience and expertise in soil, air, subsurface and aquatic environmental media and their interfaces: geochemistry, analytical chemistry, contaminant transport, fate, remediation, project and permit management, and environmental health and safety.

### Brandon Segur – Lead Instructor: Dual Enrollment

A.A.S. Aviation Maintenance Technology, Eastern New Mexico University-Roswell. Diploma, Airframe and Powerplant Maintenance, Michigan Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate. Five years of experience in general aviation, one year corporate and repair station experience. Five years of experience as a service technician for motorcycles, personal watercraft, snowmobiles and ATV's. Two years as an industrial switchgear technician servicing high voltage transformers, motor control centers and circuit breakers.

### David Souva

Votech HVAC training. Millwrights Union training in welding and conveyor maintenance. Over fifteen years' experience in HVAC industry performing maintenance, repair and installations. EPA certified.

### Darrin Spooner

EPA-approved Universal Refrigeration/Chlorofluorocarbon Certificate, Ferris State University. Over twenty-five years' experience in inspecting, servicing, repairing, installing and maintaining residential and commercial HVAC systems. State of Michigan Licensed Mechanical Contractor (License #7111096) Classifications: 10D, 2, 3, 6, 7.

### Jason Todd

A.A.S. in Energy Technology from MIAT College of Technology. Five years' experience as a field technician for Siemens Power Generation and six years' experience as a machine operator.

### Kenneth Towers

A.A.S. Aviation Maintenance Technology, MIAT College of Technology. FAA Airframe and Powerplant Technician Certificate. Canadian Dept. of Transport Aircraft Maintenance Engineer M1 M2 licensed. Ontario Aerial Applicators License Class 7 and 8. FAA Multi-Commercial license. Canadian Department of Transport Multi-Commercial, IIF, Class 3 Instructor license. Over 50 years' experience in aviation industry as maintenance technician and pilot. Honorable discharged veteran of the United States Air Force.

### Craig D. Vassel – Lead Instructor: Composites

A.A.S. Aviation Maintenance Technology, Eastern New Mexico University– Roswell. Diploma, Airframe and Powerplant Maintenance, Michigan Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate, Inspection Authorization, FCC General Radiotelephone Operator License. Four years of experience in structural repair. More than ten years teaching experience. DC-9, Hawker, Cessna Citations I & II, Westwind, Falcon 10 and Falcon 20 systems certifications.

### Frank Zielinski

A.A.S. Aviation Maintenance, Pittsburgh Institute of Aeronautics. FAA Airframe and Powerplant Technician Certificate, Inspection Authorization. Over forty years' aviation experience, Army helicopter maintenance school, Bell Helicopter School, Allison Turbine School, twenty years Aviation business owner, private pilot.

## 52 MIAT Management, Faculty and Staff

### Administrative Staff

#### Admissions

Riquele Barranger	Admissions Representative
Christopher Davis	Admissions Representative
Troy North	Admissions Representative
Larry Gaul	High School Admissions Representative
Chris Jackson	High School Admissions Representative
Jennifer Behl	High School Admissions Representative

#### Bookkeeping

Sandra Lupfer	Bookkeeper
Nicole Pridemore	Bookkeeper

#### Career Services

Jennifer Cooper	Employment Advisor
Helen Lawton	Employment Advisor
Diane Tucker	Employment Advisor

#### Facilities and Equipment

Andy Cichewicz	Facilities Maintenance
Richard Goodwin	Special Projects Coordinator
Pete Herroon	Equipment Restoration
Don Will	Tool Crib Coordinator

#### Financial Aid

Susan Vert	Financial Aid Compliance Coordinator
Richard Aldrich	Financial Aid Officer
Kristen Gessner	Financial Aid Officer
Ben Yager	Financial Aid Officer
Lynn Roberts	Default Prevention Specialist

#### Human Resources

Shannon Wilson	Human Resources Coordinator
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#### Learning Resource Center

Joe Hutchison	Learning Resource Coordinator
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#### Reception

Sherrri Nieman	Receptionist
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#### Social Media and Information Technology

DeAndre Calloway	Social Media Coordinator
Andrew McKelvey	IT Administrator

#### Student Records

Erin Murphy	Student Records - Registration Specialist
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# Academic Calendar

(Clock Hour Programs)

## Aviation Maintenance Technology - AAS • Airframe and Powerplant Technician Certificate

<b>2017</b>	
Jan 02, 2017	New Year's Day (school closed)
Jan 04, 2017	Block 16B3A Ends
Jan 05, 2017	Flex Day
Jan 06, 2017	Block 16B3B Begins
Jan 16, 2017	Martin Luther King, Jr. Day (school closed)
Feb 10, 2017	Block 16B3B Ends
Feb 13, 2017	Flex Day
Feb 14, 2017	Block 16B3C Begins
Mar 17 – Mar 20, 2017	Flex Days
Mar 22, 2017	Block 16B3C Ends
Mar 23, 2017	Flex Day
Mar 24, 2017	Block 17B1A Begins
Apr 14 – Apr 17, 2017	Spring Break
May 01, 2017	Block 17B1A Ends
May 02 – May 03, 2017	Flex Days
May 04, 2017	Block 17B1B Begins
May 11 – May 12, 2017	Flex Days
May 29, 2017	Memorial Day (school closed)
Jun 12, 2017	Block 17B1B Ends
Jun 13, 2017	Flex Day
Jun 14, 2017	Block 17B1C Begins
Jul 03, 2017	Flex Day
Jul 04, 2017	Independence Day (school closed)
Jul 20, 2017	Block 17B1C Ends
Jul 21 – Jul 27, 2017	Summer Break
Jul 28, 2017	Block 17B2A Begins
Aug 31, 2017	Block 17B2A Ends
Sep 01, 2017	Flex Day
Sep 04, 2017	Labor Day (school closed)
Sep 05, 2017	Block 17B2B Begins
Oct 06, 2017	Flex Day
Oct 10, 2017	Block 17B2B Ends
Oct 11, 2017	Flex Day
Oct 12, 2017	Block 17B2C Begins
Oct 30 – Oct 31, 2017	Flex Days
Nov 10, 2017	Veteran's Day (school closed)
Nov 20, 2017	Block 17B2C Ends
Nov 21 – Nov 22, 2017	Flex Days
Nov 23 – Nov 24, 2017	Thanksgiving Break (school closed)
Nov 27, 2017	Block 17B3A Begins
Dec 01, 2017	Flex Day
Dec 21 – Dec 31, 2017	Winter Break

# Academic Calendar

(Clock Hour Programs)

## Aviation Maintenance Technology - AAS • Airframe and Powerplant Technician Certificate

<b>2018</b>	
Jan 01, 2018	New Year's Day (school closed)
Jan 11, 2018	Block 17B3A Ends
Jan 12, 2018	Flex Day
Jan 15, 2018	Martin Luther King, Jr. Day (school closed)
Jan 16, 2018	Block 17B3B Begins
Feb 19, 2018	Block 17B3B Ends
Feb 20, 2018	Flex Day
Feb 21, 2018	Block 17B3C Begins
Mar 12, 2018	Flex Day
Mar 16, 2018	Flex Day
Mar 29, 2018	Block 17B3C Ends
Mar 30 – Apr 03, 2018	Spring Break
Apr 04, 2018	Block 18B1A Begins
Apr 27 – Apr 30, 2018	Flex Days
May 10, 2018	Block 18B1A Ends
May 11, 2018	Flex Day
May 14, 2018	Block 18B1B Begins
May 28, 2018	Memorial Day (school closed)
Jun 18, 2018	Block 18B1B Ends
Jun 19, 2018	Flex Day
Jun 20, 2018	Block 18B1C Begins
Jun 29, 2018	Flex Day
Jul 04, 2018	Independence Day (school closed)
Jul 13 – Jul 23, 2018	Summer Break
Aug 06, 2018	Block 18B1C Ends
Aug 07, 2018	Flex Day
Aug 08, 2018	Block 18B2A Begins
Aug 20, 2018	Flex Day
Aug 31, 2018	Flex Day
Sep 04, 2018	Labor Day (school closed)
Sep 14, 2018	Flex Day
Sep 17, 2018	Block 18B2A Ends
Sep 18, 2018	Block 18B2B Begins
Oct 12, 2018	Flex Day
Oct 23, 2018	Block 18B2B Ends
Oct 24, 2018	Flex Day
Oct 25, 2018	Block 18B2C Begins
Nov 12, 2018	Veteran's Day (school closed)
Nov 16, 2018	Flex Day
Nov 22 to Nov 23, 2018	Thanksgiving Break (school closed)
Dec 04, 2018	Block 18B2C Ends
Dec 05, 2018	Block 18B3A Begins
Dec 21 – Dec 31, 2018	Winter Break